

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: _____

Source: _____

Date Processed by STIC: _____

10/652, 791C

TFW16

11/20/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/652,791C

TIME: 13:54:56

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt
 Output Set: N:\CRF4\11202006\J652791C.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4 McSwiggen, James
 5 Chowrira, Bharat
 7 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Platelet-Derived
 8 Endothelial Cell Growth Factor (ECGF1) Gene Expression Using
 9 Short Interfering Nucleic Acid (siNA)
 11 <130> FILE REFERENCE: 400/126 (MBHB 03-332-B)
 13 <140> CURRENT APPLICATION NUMBER: US 10/652,791C
 14 <141> CURRENT FILING DATE: 2003-08-29
 16 <150> PRIOR APPLICATION NUMBER: US 10/422,704
 17 <151> PRIOR FILING DATE: 2003-04-24
 19 <150> PRIOR APPLICATION NUMBER: US 10/417,012
 20 <151> PRIOR FILING DATE: 2003-04-16
 22 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05346
 23 <151> PRIOR FILING DATE: 2003-02-20
 25 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05028
 26 <151> PRIOR FILING DATE: 2003-02-20
 28 <150> PRIOR APPLICATION NUMBER: US 60/358,580
 29 <151> PRIOR FILING DATE: 2002-02-20
 31 <150> PRIOR APPLICATION NUMBER: US 60/363,124
 32 <151> PRIOR FILING DATE: 2002-03-11
 34 <150> PRIOR APPLICATION NUMBER: US 60/386,782
 35 <151> PRIOR FILING DATE: 2002-06-06
 37 <150> PRIOR APPLICATION NUMBER: US 60/406,784
 38 <151> PRIOR FILING DATE: 2002-08-29
 40 <150> PRIOR APPLICATION NUMBER: US 60/408,378
 41 <151> PRIOR FILING DATE: 2002-09-05
 43 <150> PRIOR APPLICATION NUMBER: US 60/409,293
 44 <151> PRIOR FILING DATE: 2002-09-09
 46 <150> PRIOR APPLICATION NUMBER: US 60/440,129
 47 <151> PRIOR FILING DATE: 2003-01-15
 49 <160> NUMBER OF SEQ ID NOS: 225
 51 <170> SOFTWARE: PatentIn version 3.2
 53 <210> SEQ ID NO: 1
 54 <211> LENGTH: 19
 55 <212> TYPE: RNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
 sense region
 61 <400> SEQUENCE: 1
 62 cccgccgccg gcaguggac
 65 <210> SEQ ID NO: 2
 66 <211> LENGTH: 19

CPS-10)

19

RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/652,791C

TIME: 13:54:56

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt

Output Set: N:\CRF4\11202006\J652791C.raw

```

67 <212> TYPE: RNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
73 <400> SEQUENCE: 2
74 ccgcugugcg cgaacccug 19
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 19
79 <212> TYPE: RNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
85 <400> SEQUENCE: 3
86 gaaccuacg gucccgacc 19
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 19
91 <212> TYPE: RNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
97 <400> SEQUENCE: 4
98 ccgcgggcga ggccgggua 19
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 19
103 <212> TYPE: RNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
109 <400> SEQUENCE: 5
110 accugggcug ggauccgga 19
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 19
115 <212> TYPE: RNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
121 <400> SEQUENCE: 6
122 agcaagcggg cgagggcag 19
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 19
127 <212> TYPE: RNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
133 <400> SEQUENCE: 7
134 gcgcccuaag caggcccgg 19
137 <210> SEQ ID NO: 8

```

138 <211> LENGTH: 19
139 <212> TYPE: RNA

RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/652,791C

TIME: 13:54:56

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt

Output Set: N:\CRF4\11202006\J652791C.raw

```

140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
145 <400> SEQUENCE: 8
146 gagcgauggc agccuugau 19
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 19
151 <212> TYPE: RNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
157 <400> SEQUENCE: 9
158 ugaccccgagg aaccggggc 19
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 19
163 <212> TYPE: RNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
169 <400> SEQUENCE: 10
170 cccacccgc gccugguga 19
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 19
175 <212> TYPE: RNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
181 <400> SEQUENCE: 11
182 acucuccgg ggaagggag 19
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 19
187 <212> TYPE: RNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
193 <400> SEQUENCE: 12
194 gccagggacu ucccgaccc 19
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 19
199 <212> TYPE: RNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
205 <400> SEQUENCE: 13
206 cuucgccaga gcccaagca 19
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 19

```

211 <212> TYPE: RNA
212 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/652,791C

TIME: 13:54:56

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt

Output Set: N:\CRF4\11202006\J652791C.raw

```

214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
217 <400> SEQUENCE: 14
218 agcucccggga gcugaucgcg                      19
221 <210> SEQ ID NO: 15
222 <211> LENGTH: 19
223 <212> TYPE: RNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
229 <400> SEQUENCE: 15
230 gcaugaagcg agacggagg                      19
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 19
235 <212> TYPE: RNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
241 <400> SEQUENCE: 16
242 gccgccugag cgaagcggga                      19
245 <210> SEQ ID NO: 17
246 <211> LENGTH: 19
247 <212> TYPE: RNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
253 <400> SEQUENCE: 17
254 acaucagggg cuucguggc                      19
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 19
259 <212> TYPE: RNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
265 <400> SEQUENCE: 18
266 ccgcuguggu gaauaggag                      19
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 19
271 <212> TYPE: RNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
277 <400> SEQUENCE: 19
278 gcgcgcaggg cgcacagau                      19
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 19
283 <212> TYPE: RNA

```

284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/652,791C

TIME: 13:54:56

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt

Output Set: N:\CRF4\11202006\J652791C.raw

287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

289 <400> SEQUENCE: 20

290 ucggggccau gcugauggc

19

293 <210> SEQ ID NO: 21

294 <211> LENGTH: 19

295 <212> TYPE: RNA

296 <213> ORGANISM: Artificial Sequence

298 <220> FEATURE:

299 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

301 <400> SEQUENCE: 21

302 ccauccgacu ucggggc

19

305 <210> SEQ ID NO: 22

306 <211> LENGTH: 19

307 <212> TYPE: RNA

308 <213> ORGANISM: Artificial Sequence

310 <220> FEATURE:

311 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

313 <400> SEQUENCE: 22

314 uggauccugga ggagaccuc

19

317 <210> SEQ ID NO: 23

318 <211> LENGTH: 19

319 <212> TYPE: RNA

320 <213> ORGANISM: Artificial Sequence

322 <220> FEATURE:

323 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

325 <400> SEQUENCE: 23

326 cggugcugac ccaggcccu

19

329 <210> SEQ ID NO: 24

330 <211> LENGTH: 19

331 <212> TYPE: RNA

332 <213> ORGANISM: Artificial Sequence

334 <220> FEATURE:

335 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

337 <400> SEQUENCE: 24

338 uggcucaguc gggacagca

19

341 <210> SEQ ID NO: 25

342 <211> LENGTH: 19

343 <212> TYPE: RNA

344 <213> ORGANISM: Artificial Sequence

346 <220> FEATURE:

347 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

349 <400> SEQUENCE: 25

350 agcuggagug gccagaggc

19

353 <210> SEQ ID NO: 26

354 <211> LENGTH: 19

355 <212> TYPE: RNA

356 <213> ORGANISM: Artificial Sequence

358 <220> FEATURE:

359 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/20/2006
PATENT APPLICATION: US/10/652,791C TIME: 13:54:57

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt
Output Set: N:\CRF4\11202006\J652791C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:207; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:208; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:209; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:210; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:211; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:212; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:213; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:214; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:215; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY

DATE: 11/20/2006

PATENT APPLICATION: US/10/652,791C

TIME: 13:54:57

Input Set : N:\efs\10652791c_efs\10652791_REVSeqList.txt

Output Set: N:\CRF4\11202006\J652791C.raw

L:3314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:0
L:3346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:0
L:3369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
L:3402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:0
L:3435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:0
L:3467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0
L:3500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:0
L:3532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:0
L:3565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0